

ABSTRACT OF THE DISCLOSURE

In an ejector cycle with an ejector including a nozzle for decompressing refrigerant, a variable throttle is disposed upstream from the nozzle of the ejector to decompress and expand high-pressure refrigerant flowing from a radiator. For example, the variable throttle decompresses and expands the high-pressure refrigerant in a gas-liquid two-phase state at an upstream position from the nozzle of the ejector. The variable throttle controls a throttle opening degree so that a refrigerant super-heating degree at a refrigerant outlet side of an evaporator or at a refrigerant suction side of a compressor becomes in a predetermined range. Accordingly, the ejector cycle has an improved nozzle efficiency and an improved ejector efficiency in a wide load variation range of the ejector cycle.